

AMENDMENTS TO THE SPECIFICATION

As per the Specification, the Examiner writes:

“The abstract of the disclosure is object to because it exceeds 150 words limit Correction is required.

Applicant respectfully submits a Substitute Abstract, now in accordance with MPEP §608.01(b).

Applicant further respectfully submits that *no new matter has been added* to the proposed Substitute Abstract, as attached hereto.

**"METHOD AND SYSTEM FOR INCLUSION HASH JOINS AND  
EXCLUSION HASH JOINS IN RELATIONAL DATABASES"**

**ABSTRACT OF THE DISCLOSURE**

A method, system and apparatus for performing an inclusion hash join and an exclusion hash join using a hash join are provided. The inner and outer tables are transposed to left and right tables, respectively. A hash table is created from the left table, the right table is scanned, and the hash table is probed. If the right table hash value matches a hash table value, the actual values are compared. If they match, the current outer table row is included in the result. If an exclusion condition is present, the hash table is probed with the right-table-row's hash value. If no hash values match, the outer table row is added to the result and the next row is addressed. If one or more hash values match, the actual values are compared.